

## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/828,925A  
Source: IFW/6  
Date Processed by STIC: 7-12-06

# ***ENTERED***



IFW16

## RAW SEQUENCE LISTING

DATE: 07/12/2006

PATENT APPLICATION: US/10/828,925A

TIME: 09:23:12

Input Set : A:\57637.1380.txt

Output Set: N:\CRF4\07122006\J828925A.raw

3 <110> APPLICANT: Cappelletti, et al.  
 5 <120> TITLE OF INVENTION: Gastrin Releasing Peptide Compounds  
 7 <130> FILE REFERENCE: 57637-1380  
 9 <140> CURRENT APPLICATION NUMBER: 10/828,925A  
 10 <141> CURRENT FILING DATE: 2004-04-20  
 12 <160> NUMBER OF SEQ ID NOS: 36  
 14 <170> SOFTWARE: PatentIn version 3.3  
 16 <210> SEQ ID NO: 1  
 17 <211> LENGTH: 8  
 18 <212> TYPE: PRT  
 19 <213> ORGANISM: Artificial  
 21 <220> FEATURE:  
 22 <223> OTHER INFORMATION: Description of Artificial Sequence: This peptide is known as  
 23 bombesin (i.e., BBN (7-14)) and binds to gastrin releasing  
 24 peptide (GRP) receptors.  
 27 <220> FEATURE:  
 28 <221> NAME/KEY: MOD\_RES  
 29 <222> LOCATION: (2)..(2)  
 30 <223> OTHER INFORMATION: Where positions 3, 4, 6 and 7 are unmodified, may include one  
 of  
 31 the following chemical moieties: CSNH, CH<sub>2</sub>NH or CH=CH  
 33 <220> FEATURE:  
 34 <221> NAME/KEY: MOD\_RES  
 35 <222> LOCATION: (3)..(3)  
 36 <223> OTHER INFORMATION: Where positions 2, 4, 6 and 7 are unmodified, may include one  
 of  
 37 the following chemical moieties: CSNH, CH<sub>2</sub>NH, Aib or CH=CH  
 39 <220> FEATURE:  
 40 <221> NAME/KEY: MOD\_RES  
 41 <222> LOCATION: (4)..(4)  
 42 <223> OTHER INFORMATION: Where positions 2, 3, 6, and 7 are unmodified, may include  
 one of  
 43 the following chemical moieties: CSNH, CH<sub>2</sub>NH or CH=CH  
 45 <220> FEATURE:  
 46 <221> NAME/KEY: MOD\_RES  
 47 <222> LOCATION: (6)..(6)  
 48 <223> OTHER INFORMATION: Where positions 2, 3, 4 and 7 are unmodified, may include one  
 of  
 49 the following chemical moieties: CSNH or CH=CH  
 51 <220> FEATURE:  
 52 <221> NAME/KEY: MOD\_RES  
 53 <222> LOCATION: (7)..(7)  
 54 <223> OTHER INFORMATION: Where positions 2, 3, 4 and 6 are unmodified, may include one  
 of

55 the following chemical moieties: CSNH, CH<sub>2</sub>NH or CH=CH  
57 <400> SEQUENCE: 1  
59 Gln Trp Ala Val Gly His Leu Met  
60 1 5

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63 <210> SEQ ID NO: 2
64 <211> LENGTH: 8
65 <212> TYPE: PRT
66 <213> ORGANISM: Artificial
68 <220> FEATURE:
69 <223> OTHER INFORMATION: Description of Artificial Sequence: GRP Receptor Targeting
70     Peptide
73 <220> FEATURE:
74 <221> NAME/KEY: MOD_RES
75 <222> LOCATION: (8)..(8)
76 <223> OTHER INFORMATION: M-NH2
78 <400> SEQUENCE: 2
80 Glu Trp Ala Val Gly His Leu Met
81 1             5
84 <210> SEQ ID NO: 3
85 <211> LENGTH: 13
86 <212> TYPE: PRT
87 <213> ORGANISM: Artificial
89 <220> FEATURE:
90 <223> OTHER INFORMATION: Description of Artificial Sequence: GRP Receptor Targeting
91     Peptide
94 <220> FEATURE:
95 <221> NAME/KEY: MOD_RES
96 <222> LOCATION: (13)..(13)
97 <223> OTHER INFORMATION: M-NH2
99 <400> SEQUENCE: 3
101 Gln Arg Leu Gly Asn Gln Trp Ala Val Gly His Leu Met
102 1             5             10
105 <210> SEQ ID NO: 4
106 <211> LENGTH: 13
107 <212> TYPE: PRT
108 <213> ORGANISM: Artificial
110 <220> FEATURE:
111 <223> OTHER INFORMATION: Description of Artificial Sequence: GRP Receptor Targeting
112     Peptide
115 <220> FEATURE:
116 <221> NAME/KEY: MOD_RES
117 <222> LOCATION: (13)..(13)
118 <223> OTHER INFORMATION: M-NH2
120 <400> SEQUENCE: 4
122 Gln Arg Tyr Gly Asn Gln Trp Ala Val Gly His Leu Met
123 1             5             10
126 <210> SEQ ID NO: 5
127 <211> LENGTH: 13
128 <212> TYPE: PRT
129 <213> ORGANISM: Artificial
131 <220> FEATURE:
132 <223> OTHER INFORMATION: Description of Artificial Sequence: GRP Receptor Targeting
133     Peptide

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136 <220> FEATURE:  
137 <221> NAME/KEY: MOD\_RES  
138 <222> LOCATION: (13)..(13)  
139 <223> OTHER INFORMATION: M-NH2  
141 <400> SEQUENCE: 5  
143 Gln Lys Tyr Gly Asn Gln Trp Ala Val Gly His Leu Met  
144 1 5 10  
147 <210> SEQ ID NO: 6  
148 <211> LENGTH: 7  
149 <212> TYPE: PRT  
150 <213> ORGANISM: Artificial  
152 <220> FEATURE:  
153 <223> OTHER INFORMATION: Description of Artificial Sequence: GRP Receptor Targeting  
154 Peptide  
157 <220> FEATURE:  
158 <221> NAME/KEY: MOD\_RES  
159 <222> LOCATION: (7)..(7)  
160 <223> OTHER INFORMATION: L-NH-Pentyl  
162 <400> SEQUENCE: 6  
164 Gln Trp Ala Val Gly His Leu  
165 1 5  
168 <210> SEQ ID NO: 7  
169 <211> LENGTH: 7  
170 <212> TYPE: PRT  
171 <213> ORGANISM: Artificial  
173 <220> FEATURE:  
174 <223> OTHER INFORMATION: Description of Artificial Sequence: GRP Receptor Targeting  
175 Peptide  
178 <220> FEATURE:  
179 <221> NAME/KEY: MOD\_RES  
180 <222> LOCATION: (5)..(5)  
181 <223> OTHER INFORMATION: D-Ala  
183 <220> FEATURE:  
184 <221> NAME/KEY: MOD\_RES  
185 <222> LOCATION: (7)..(7)  
186 <223> OTHER INFORMATION: M-NH2  
188 <400> SEQUENCE: 7  
190 Gln Trp Ser Val His Leu Met  
191 1 5  
194 <210> SEQ ID NO: 8  
195 <211> LENGTH: 8  
196 <212> TYPE: PRT  
197 <213> ORGANISM: Artificial  
199 <220> FEATURE:  
200 <223> OTHER INFORMATION: Description of Artificial Sequence: GRP Receptor Targeting  
201 Peptide  
204 <220> FEATURE:  
205 <221> NAME/KEY: MOD\_RES  
206 <222> LOCATION: (8)..(8)

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207 <223> OTHER INFORMATION: L-NH2
209 <400> SEQUENCE: 8
211 Gln Trp Ala Val Gly His Leu Leu
212 1 5
215 <210> SEQ ID NO: 9
216 <211> LENGTH: 8
217 <212> TYPE: PRT
218 <213> ORGANISM: Artificial
220 <220> FEATURE:
221 <223> OTHER INFORMATION: Description of Artificial Sequence: GRP Receptor Targeting
222 Peptide
225 <220> FEATURE:
226 <221> NAME/KEY: MOD_RES
227 <222> LOCATION: (5)..(5)
228 <223> OTHER INFORMATION: bAa
230 <220> FEATURE:
231 <221> NAME/KEY: MOD_RES
232 <222> LOCATION: (8)..(8)
233 <223> OTHER INFORMATION: Nle-NH2
235 <400> SEQUENCE: 9
237 Gln Trp Ala Val Ala His Phe Leu
238 1 5
241 <210> SEQ ID NO: 10
242 <211> LENGTH: 7
243 <212> TYPE: PRT
244 <213> ORGANISM: Artificial
246 <220> FEATURE:
247 <223> OTHER INFORMATION: Description of Artificial Sequence: GRP Receptor Targeting
248 Peptide
251 <220> FEATURE:
252 <221> NAME/KEY: MOD_RES
253 <222> LOCATION: (7)..(7)
254 <223> OTHER INFORMATION: L-NH2
256 <400> SEQUENCE: 10
258 Gln Trp Ala Gly His Phe Leu
259 1 5
262 <210> SEQ ID NO: 11
263 <211> LENGTH: 8
264 <212> TYPE: PRT
265 <213> ORGANISM: Artificial
267 <220> FEATURE:
268 <223> OTHER INFORMATION: Description of Artificial Sequence: GRP Receptor Targeting
269 Peptide
272 <220> FEATURE:
273 <221> NAME/KEY: MOD_RES
274 <222> LOCATION: (8)..(8)
275 <223> OTHER INFORMATION: NH2
277 <220> FEATURE:
278 <221> NAME/KEY: MOD_RES

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279 <222> LOCATION: (8)..(8)
280 <223> OTHER INFORMATION: L-NH2
282 <400> SEQUENCE: 11
284 Gln Trp Ala Val Gly His Phe Leu
285 1 5
288 <210> SEQ ID NO: 12
289 <211> LENGTH: 8
290 <212> TYPE: PRT
291 <213> ORGANISM: Artificial
293 <220> FEATURE:
294 <223> OTHER INFORMATION: Description of Artificial Sequence: GRP Receptor Targeting
295 Peptide
298 <220> FEATURE:
299 <221> NAME/KEY: MOD_RES
300 <222> LOCATION: (8)..(8)
301 <223> OTHER INFORMATION: M-NH2
303 <400> SEQUENCE: 12
305 Leu Trp Ala Val Gly Ser Phe Met
306 1 5
309 <210> SEQ ID NO: 13
310 <211> LENGTH: 8
311 <212> TYPE: PRT
312 <213> ORGANISM: Artificial
314 <220> FEATURE:
315 <223> OTHER INFORMATION: Description of Artificial Sequence: GRP Receptor Targeting
316 Peptide
319 <220> FEATURE:
320 <221> NAME/KEY: MOD_RES
321 <222> LOCATION: (8)..(8)
322 <223> OTHER INFORMATION: M-NH2
324 <400> SEQUENCE: 13
326 His Trp Ala Val Gly His Leu Met
327 1 5
330 <210> SEQ ID NO: 14
331 <211> LENGTH: 8
332 <212> TYPE: PRT
333 <213> ORGANISM: Artificial
335 <220> FEATURE:
336 <223> OTHER INFORMATION: Description of Artificial Sequence: GRP Receptor Targeting
337 Peptide
340 <220> FEATURE:
341 <221> NAME/KEY: MOD_RES
342 <222> LOCATION: (8)..(8)
343 <223> OTHER INFORMATION: M-NH2
345 <400> SEQUENCE: 14
347 Gln Trp Ala Val Gly His Phe Met
348 1 5
351 <210> SEQ ID NO: 15
352 <211> LENGTH: 7

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RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 07/12/2006  
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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,  
 per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27

Seq#:28,29,30,31,32,33,34,35,36



VERIFICATION SUMMARY

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